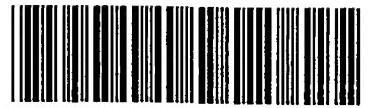# RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/660,434_

Source: _1FW/16_

Date Processed by STIC: _1/3/07_

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RAW SEQUENCE LISTING   DATE: 01/03/2007
PATENT APPLICATION: **US/10/660,434**   TIME: 16:41:39

Input Set : **F:\7570.APP**
Output Set: **N:\CRF4\01032007\J660434.raw**

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 5  <120> TITLE OF INVENTION: GENE SEGREGATION AND BIOLOGICAL SAMPLE CLASSIFICATION
METHODS
 7  <130> FILE REFERENCE: 23543-07570US
 9  <140> CURRENT APPLICATION NUMBER: 10/660,434
10  <141> CURRENT FILING DATE: 2003-09-10
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13  <151> PRIOR FILING DATE: 2002-09-10
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22  <151> PRIOR FILING DATE: 2003-01-31
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25  <151> PRIOR FILING DATE: 2003-04-03
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PATENT APPLICATION: US/10/660,434   TIME: 16:41:39

Input Set : **F:\7570.APP**
Output Set: **N:\CRF4\01032007\J660434.raw**

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157 ccacgcagaa tgcacaggcc cggcagcttc tggagaagga attcagcaac cttatctcct   3660
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RAW SEQUENCE LISTING   DATE: 01/03/2007
PATENT APPLICATION: US/10/660,434   TIME: 16:41:39

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210 Asp Arg Ala Gly Pro Arg Pro Leu Pro Gly Ala Pro Pro Gly Pro Pro
211         35                  40                  45
214 Thr Pro Pro His Val Pro Pro Ala Ala Gln Leu Arg Pro Gln Pro Pro
215     50                  55                  60
218 Arg Thr Arg Gln Ala Arg Thr Ala Ala Met Met Cys Glu Val Met Pro
219 65                  70                  75                  80
222 Thr Ile Ser Glu Asp Gly Arg Arg Gly Ser Ala Leu Gly Pro Asp Glu
223             85                  90                  95
226 Ala Gly Gly Glu Leu Glu Arg Leu Met Val Thr Met Leu Thr Glu Arg
227             100                 105                 110
230 Glu Arg Leu Leu Glu Thr Leu Arg Glu Ala Gln Asp Gly Leu Ala Thr
231         115                 120                 125
234 Ala Gln Leu Arg Leu Arg Glu Leu Gly His Glu Lys Asp Ser Leu Gln
235     130                 135                 140
238 Arg Gln Leu Ser Ile Ala Leu Pro Gln Glu Phe Ala Ala Leu Thr Lys
239 145                 150                 155                 160
242 Glu Leu Asn Leu Cys Arg Glu Gln Leu Leu Glu Arg Glu Glu Glu Ile
243             165                 170                 175
246 Ala Glu Leu Lys Ala Glu Arg Asn Asn Thr Arg Leu Leu Leu Glu His
247             180                 185                 190
250 Leu Glu Cys Leu Val Ser Arg His Glu Arg Ser Leu Arg Met Thr Val
251         195                 200                 205
254 Val Lys Arg Gln Ala Gln Ser Pro Gly Gly Val Ser Ser Glu Val Glu
255     210                 215                 220
258 Val Leu Lys Ala Leu Lys Ser Leu Phe Glu His His Lys Ala Leu Asp
259 225                 230                 235                 240
262 Glu Lys Val Arg Glu Arg Leu Arg Met Ala Leu Glu Arg Val Ala Val
263             245                 250                 255
266 Leu Glu Glu Glu Leu Glu Leu Ser Asn Gln Glu Thr Leu Asn Leu Arg
267         260                 265                 270
270 Glu Gln Leu Ser Arg Arg Arg Ser Gly Leu Glu Glu Pro Gly Lys Asp
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279 305               310               315                  320
282 Glu Val Cys Gln Leu Arg Glu Arg Leu Ala Val Leu Cys Arg Gln Met
283               325               330                  335
286 Ser Gln Leu Glu Glu Glu Leu Gly Thr Ala His Arg Glu Leu Gly Lys
287               340               345                  350
290 Ala Glu Glu Ala Asn Ser Lys Leu Gln Arg Asp Leu Lys Glu Ala Leu
291               355               360                  365
294 Ala Gln Arg Glu Asp Met Glu Glu Arg Ile Thr Thr Leu Glu Lys Arg
295      370               375                  380
298 Tyr Leu Ser Ala Gln Arg Glu Ala Thr Ser Leu His Asp Ala Asn Asp
299 385               390               395                  400
302 Lys Leu Glu Asn Glu Leu Ala Ser Lys Glu Ser Leu Tyr Arg Gln Ser
303               405               410                  415
306 Glu Glu Lys Ser Arg Gln Leu Ala Glu Trp Leu Asp Asp Ala Lys Gln
307               420               425                  430
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311               435               440                  445
314 Ala Gln Leu Ala Gln Arg Val Ala Ala Leu Asn Lys Ala Glu Glu Arg
315      450               455                  460
318 His Gly Asn Phe Glu Glu Arg Leu Arg Gln Leu Glu Ala Gln Leu Glu
319 465               470               475                  480
322 Glu Lys Asn Gln Glu Leu Gln Arg Ala Arg Gln Arg Glu Lys Met Asn
323               485               490                  495
326 Asp Asp His Asn Lys Arg Leu Ser Glu Thr Val Asp Lys Leu Leu Ser
327               500               505                  510
330 Glu Ser Asn Glu Arg Leu Gln Leu His Leu Lys Glu Arg Met Gly Ala
331      515               520                  525
334 Leu Glu Glu Lys Asn Ser Leu Ser Glu Glu Ile Ala Asn Met Lys Lys
335      530               535                  540
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339 545               550               555                  560
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343               565               570                  575
346 Ser Tyr Ser Arg Ser Leu Pro Gly Ser Ala Leu Glu Leu Arg Tyr Ser
347               580               585                  590
350 Gln Ala Pro Thr Leu Pro Ser Gly Ala His Leu Asp Pro Tyr Val Ala
351      595               600               605
354 Gly Ser Gly Arg Ala Gly Lys Arg Gly Arg Trp Ser Gly Val Lys Glu
355      610               615               620
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359 625               630               635                  640
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366 Gly Met Phe Gly Ala Glu Leu Leu Ser Pro Ser Gly Gln Ala Asp Val
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375     690                 695                 700
378 Glu Glu Leu Glu Ser Arg Val Ser Ser Ser Gly Leu Asp Ser Leu Gly
379 705                 710                 715                 720
382 Arg Tyr Arg Ser Ser Cys Ser Leu Pro Pro Ser Leu Thr Thr Ser Thr
383             725                 730                 735
386 Leu Ala Ser Pro Ser Pro Pro Ser Ser Gly His Ser Thr Pro Arg Leu
387             740                 745                 750
390 Ala Pro Pro Ser Pro Ala Arg Glu Gly Thr Asp Lys Ala Asn His Val
391         755                 760                 765
394 Pro Lys Glu Glu Ala Gly Ala Pro Arg Gly Glu Gly Pro Ala Ile Pro
395     770                 775                 780
398 Gly Asp Thr Pro Pro Pro Thr Pro Arg Ser Ala Arg Leu Glu Arg Met
399 785                 790                 795                 800
402 Thr Gln Ala Leu Ala Leu Gln Ala Gly Ser Leu Glu Asp Gly Gly Pro
403             805                 810                 815
406 Pro Arg Gly Ser Glu Gly Thr Pro Asp Ser Leu His Lys Ala Pro Lys
407             820                 825                 830
410 Lys Lys Ser Ile Lys Ser Ser Ile Gly Arg Leu Phe Gly Lys Lys Glu
411         835                 840                 845
414 Lys Gly Arg Met Gly Pro Pro Gly Arg Asp Ser Ser Ser Leu Ala Gly
415     850                 855                 860
418 Thr Pro Ser Asp Glu Thr Leu Ala Thr Asp Pro Leu Gly Leu Ala Lys
419 865                 870                 875                 880
422 Leu Thr Gly Pro Gly Asp Lys Asp Arg Arg Asn Lys Arg Lys His Glu
423             885                 890                 895
426 Leu Leu Glu Glu Ala Cys Arg Gln Gly Leu Pro Phe Ala Ala Trp Asp
427             900                 905                 910
430 Gly Pro Thr Val Val Ser Trp Leu Glu Leu Trp Val Gly Met Pro Ala
431         915                 920                 925
434 Trp Tyr Val Ala Ala Cys Arg Ala Asn Val Lys Ser Gly Ala Ile Met
435     930                 935                 940
438 Ala Asn Leu Ser Asp Thr Glu Ile Gln Arg Glu Ile Gly Ile Ser Asn
439 945                 950                 955                 960
442 Pro Leu His Arg Leu Lys Leu Arg Leu Ala Ile Gln Glu Met Val Ser
443             965                 970                 975
446 Leu Thr Ser Pro Ser Ala Pro Ala Ser Ser Arg Thr Ser Thr Gly Asn
447             980                 985                 990
450 Val Trp Met Thr His Glu Glu Met  Glu Ser Leu Thr Ala  Thr Thr Lys
451         995                 1000                 1005
454 Pro Glu  Thr Lys Glu Ile Ser  Trp Glu Gln Ile Leu  Ala Tyr Gly
455     1010                 1015                 1020
458 Asp Met  Asn His Glu Trp Val  Gly Asn Asp Trp Leu  Pro Ser Leu
459     1025                 1030                 1035
462 Gly Leu  Pro Gln Tyr Arg Ser  Tyr Phe Met Glu Ser  Leu Val Asp
463     1040                 1045                 1050
466 Ala Arg  Met Leu Asp His Leu  Asn Lys Lys Glu Leu  Arg Gly Gln
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 01/03/2007
PATENT APPLICATION: US/10/660,434   TIME: 16:41:40

Input Set : **F:\7570.APP**
Output Set: **N:\CRF4\01032007\J660434.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

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PATENT APPLICATION: US/10/660,434   TIME: 16:41:40

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Output Set: N:\CRF4\01032007\J660434.raw

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VERIFICATION SUMMARY   DATE: 01/03/2007
PATENT APPLICATION: **US/10/660,434**   TIME: 16:41:40

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M:341 Repeated in SeqNo=232
L:29838 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:241 after pos.:420
L:38527 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:310 after pos.:60
L:41776 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:334 after pos.:0
M:341 Repeated in SeqNo=334
L:41859 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:335 after pos.:32
L:43077 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:348 after pos.:0
M:341 Repeated in SeqNo=348
L:43160 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:349 after pos.:32
L:48433 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:396 after pos.:0
M:341 Repeated in SeqNo=396
L:48513 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:398 after pos.:32
L:49089 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:403 after pos.:0
M:341 Repeated in SeqNo=403
L:49172 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:404 after pos.:32
L:49250 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:405 after pos.:60
L:53083 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:424 after pos.:600
L:61505 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:514 after pos.:240
L:61556 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:515 after pos.:60
M:341 Repeated in SeqNo=515
L:61585 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:516 after pos.:240
L:61625 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:517 after pos.:300
M:341 Repeated in SeqNo=517
L:61712 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:521 after pos.:120
M:341 Repeated in SeqNo=521
L:61756 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:523 after pos.:0
L:61836 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:525 after pos.:0
M:341 Repeated in SeqNo=525
L:61870 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:526 after pos.:60
M:341 Repeated in SeqNo=526
L:61953 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:527 after pos.:180
M:341 Repeated in SeqNo=527
L:62010 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:529 after pos.:360
M:341 Repeated in SeqNo=529
L:62034 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:530 after pos.:0
M:341 Repeated in SeqNo=530
L:62071 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:531 after pos.:240
L:62122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:532 after pos.:60
M:341 Repeated in SeqNo=532
L:62151 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:533 after pos.:240
L:62191 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:534 after pos.:300
M:341 Repeated in SeqNo=534
L:62255 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:537 after pos.:120
M:341 Repeated in SeqNo=537
L:62372 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:542 after pos.:240

VERIFICATION SUMMARY   DATE: 01/03/2007
PATENT APPLICATION: **US/10/660,434**   TIME: 16:41:40

Input Set : **F:\7570.APP**
Output Set: **N:\CRF4\01032007\J660434.raw**

M:341 Repeated in SeqNo=542
L:62409 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:543 after pos.:480